

CLAIMS

I claim:

7. (amended) A process for making an agglomeration of fused microspheres comprising the steps of:

- a. mixing silicates;
- b. mixing modifiers;
- c. mixing silicates and modifiers together to form a mixture;
- d. drying the mixture to form a dry resultant material;
- e. collecting the dry resultant material;
- f. heating the resultant material to form an agglomeration; and
- g. collecting the agglomeration.

8. (amended) The process for making an agglomeration of fused microspheres as in claim 7, further comprising the steps of:

- a. soaking the agglomeration in a liquid fragrance selected from the group consisting of an oil and an alcohol;
- b. removing the agglomeration from the liquid fragrance; and
- c. drying the fragrance containing the agglomeration wherein said drying is selected from the group consisting ultra violet light or heat.

9. (amended) A process for making an agglomeration of fused microspheres as in claim 7, wherein:

said silicates are sodium silicate and potassium silicate; and
said modifiers are boric acid, Pb, MgO, Al₂O₃, BaO, Li₂O, Ge, S and calcium nitrate.

10. (amended) A process for making an agglomeration of fused microspheres as in claim 9, wherein:

- a. the step of mixing the silicates and the modifiers together to form the mixture occurs by pouring the modifiers into the silicates;

- b. the step of drying occurs with a spray dryer via a diaphragm pump at 50-150 psi and atomizing at 80 to 300 psi with outlet temperature ranging from about 300° to about 800°F; and
- c. the step of heating the resultant material occurs in a furnace by an accurate feeder rotating 5-20 rpm at an angle of repose 1/8 - 5 inches per foot at about 200°C to about 1200°C with a counter current dry air flow 25 - 200 SCFH.

11. (amended) A process for making an agglomeration of fused microspheres as in claim 9, wherein:

- a. the step of mixing the silicates and the modifiers together to form the mixture occurs by pouring the modifiers into the silicates;
- b. the step of drying occurs with a spray dryer via a diaphragm pump at 50-150 psi and atomizing at 80 to 300 psi with outlet temperature ranging from about 300° to about 800°F; and
- c. the step of heating the resultant material occurs in a furnace by an accurate feeder rotating 5-20 rpm at an angle of repose 1/8 - 5 inches per foot at about 200°C to about 1200°C with a co-current dry air flow 25 - 200 SCFH.

12. (amended) A process for making an agglomeration of fused microspheres as in claim 9, wherein:

- a. the step of mixing the silicates and the modifiers occurs by an impeller pump and a recirculation loop;
- b. the step of drying occurs with a spray dryer with a diaphragm pump at 25-200 psi and air atomizing at 80 to 800 psi with an outlet temperature ranging from about 300° to about 800°F; and
- c. the step of heating the resultant material occurs in a furnace by an accurate feeder rotating 5-20 rpm at an angle of repose 1/8 - 5 inches per foot at about 200°C to about 1200°C with a co-current dry air flow 25 - 200 SCFH.

13. (amended) A process for making an agglomeration of fused microspheres as in claim 9, wherein:

- a. the drying step occurs at about 100° to about 300°C; and

b. the step of heating the resultant material occurs in a furnace by an accurate feeder rotating 5-20 rpm at an angle of repose 1/8 - 5 inches per foot at about 200°C to about 1200°C with a co-current dry air flow 25 - 200 SCFH.

15. (amended) The process for making an agglomeration of fused microspheres as in claim 9, further comprising the steps of:

- a. soaking the agglomeration in a liquid fragrance selected from the group consisting of an oil and an alcohol;
- b. removing the agglomeration from the liquid fragrance; and
- c. drying the fragrance containing the agglomeration of fused microspheres wherein said drying is selected from the group consisting ultra violet light or heat.

16. (amended) The process for making an agglomeration of fused microspheres as in claim 10, further comprising the steps of:

- a. soaking the agglomeration in a liquid fragrance selected from the group consisting of an oil and an alcohol;
- b. removing the agglomeration from the liquid fragrance; and
- c. drying the fragrance containing the agglomeration.

17. (amended) The process for making an agglomeration as in claim 11, further comprising the steps of:

- a. soaking the agglomeration in a liquid fragrance selected from the group consisting of an oil and an alcohol;
- b. removing the agglomeration from the liquid fragrance; and
- c. drying the fragrance containing the agglomeration.

18. (amended) The process for making an agglomeration of fused microspheres as in claim 12, further comprising the steps of:

- a. soaking the agglomeration in a liquid fragrance selected from the group consisting of an oil and an alcohol;
- b. removing the agglomeration from the liquid fragrance; and
- c. drying the fragrance containing the agglomeration wherein said drying is selected from the group consisting ultra violet light or heat.

19. (amended) The process for making an agglomeration of fused microspheres as in claim 13, further comprising the steps of:

- a. soaking the agglomeration in a liquid fragrance selected from the group consisting of an oil and an alcohol;
- b. removing the agglomeration from the liquid fragrance; and
- c. drying the fragrance containing the agglomeration wherein said drying is selected from the group consisting ultra violet light or heat.